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Application No. 09/989,714
Filed: November 20, 2001
TC Art Unit: 2673
Confirmation No.: 9578

AMENDMENT TO THE CLAIMS

1. (Currently Amended) An optical sensor assembly for tracking movement of a surface comprising:

a curved or rounded target comprising said surface movably mounted to present a varying segment of said surface to a focus area; and

an optical sensor comprising a single sensing component, said sensing component mounted facing said surface of said target at said focus area, said optical sensor operative to compare images of said surface at known time intervals, wherein the single sensing component of said optical sensor detects a change in position of said surface in multiple directions.

2. (Previously Presented) The optical sensor assembly of claim 1 wherein said optical sensor is positioned substantially beneath said surface.

3. (Previously Presented) The optical sensor assembly of claim 1 wherein said target is cylindrical, said optical sensor is aligned placing said focus area perpendicular to a longitudinal axis of said cylinder and said surface is the circumferential surface of said cylinder.

4. (Previously Presented) The optical sensor assembly of claim 3 wherein said cylinder has a diameter greater than approximately 8mm.